

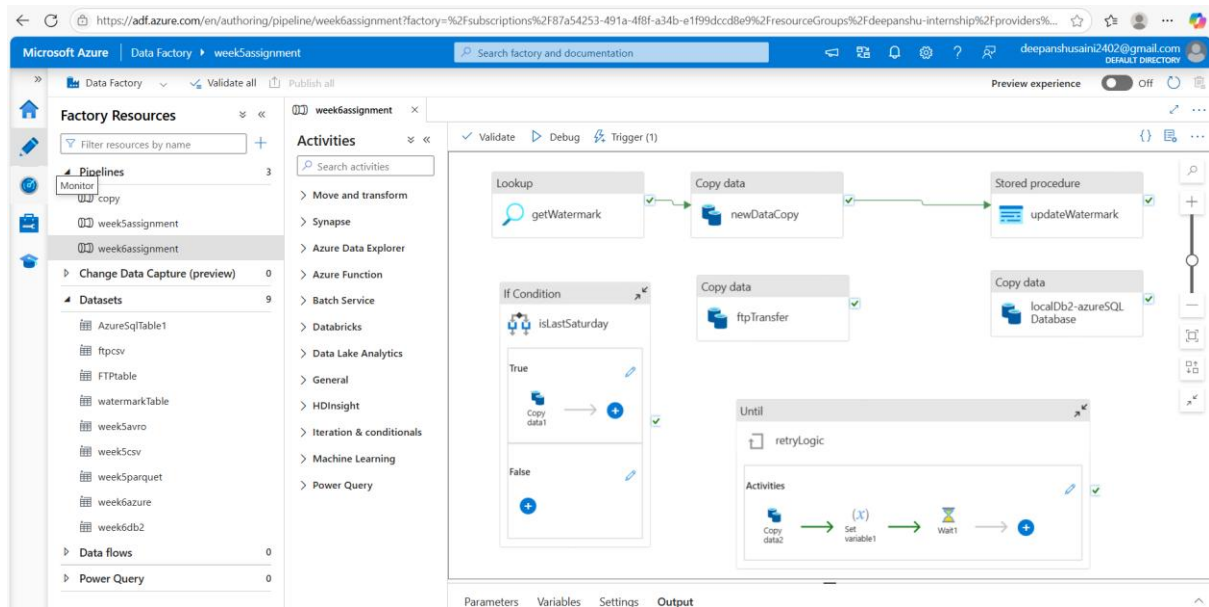
# CELEBAL TECHNOLOGIES PVT. LTD.

## ASSIGNMENT

### WEEK 6

#### Tasks Achieved:

- Configured Self-hosted Integration Runtime to Extract Data from Local Server and Load into Azure SQL Database.
- Configured FTP Server and created ADF Pipeline for Data Extraction.
- Created Incremental Load Pipeline and Automate it on a Daily Basis.
- Automated Pipeline to Trigger Every Last Saturday of the Month.
- Implemented logic to handle data retrieval failures gracefully by waiting briefly.



Pipeline Structure

The screenshot shows the 'Pipeline runs' view for the 'week6assignment' pipeline. The table displays the following data:

Pipeline name	Run start	Run end	Duration	Triggered by	Status	Run	Parameters
week6assignment	6/30/2025, 12:00:01 PM	6/30/2025, 12:37:05 PM	37m 5s	week6ScheduledTrig...	Succeeded	Original	
week6assignment	6/29/2025, 7:44:41 PM	6/29/2025, 7:47:01 PM	2m 20s	Manual trigger	Succeeded	Original	
week6assignment	6/29/2025, 7:42:48 PM	6/29/2025, 7:43:18 PM	31s	Manual trigger	Succeeded	Original	
week6assignment	6/29/2025, 7:40:22 PM	6/29/2025, 7:40:47 PM	26s	Manual trigger	Succeeded	Original	
week6assignment	6/29/2025, 7:15:31 PM	6/29/2025, 7:16:30 PM	1m 0s	Manual trigger	Succeeded	Original	
week6assignment	6/29/2025, 7:02:21 PM	6/29/2025, 7:03:14 PM	53s	Manual trigger	Succeeded	Original	
week6assignment	6/29/2025, 6:59:28 PM	6/29/2025, 6:59:30 PM	3s	Manual trigger	Failed	Original	
week6assignment	6/29/2025, 5:36:33 PM	6/29/2025, 5:37:29 PM	57s	Manual trigger	Canceled	Original	

Pipeline Runs

Microsoft Azure | Data Factory | week5assignment

Search factory and documentation

deeparshusaini2402@gmail.com

Trigger runs

All Schedule Tumbling window Storage events Custom events Refresh Edit columns

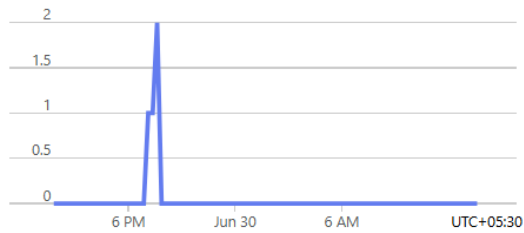
Chennai, Kolkata, Mu... : Last 24 hours Trigger name: All Status: All Runs: Latest runs Export to CSV

Showing 1 - 1 items

Trigger name	Trigger type	Trigger time	Status	Pipelines	Run	Message	Properties	Run ID
weekScheduledT...	Schedule trigger	6/30/2025, 11:59:59 A	Succeeded	1	Original			085845034188566...

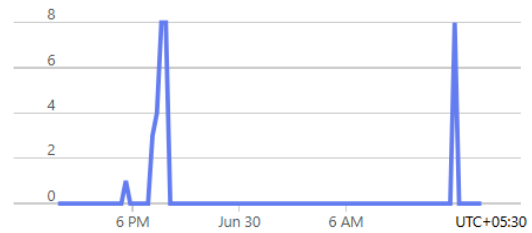
## Trigger Runs

### PipelineRuns



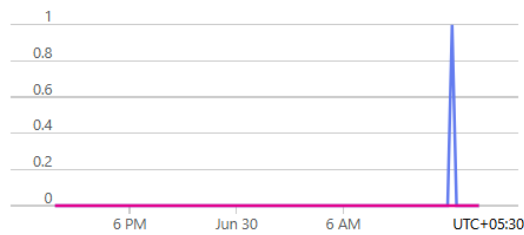
Succeeded pipeline runs metrics (Sum), week5assignm... | 4

### ActivityRuns



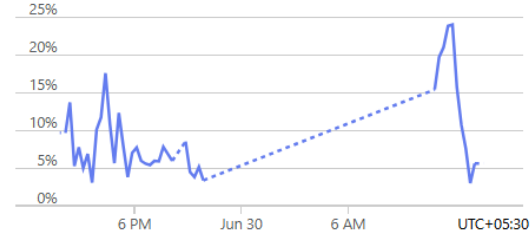
Succeeded activity runs metrics (Sum), week5assignm... | 32

### TriggerRuns



Succeeded trigger runs metrics (Sum), week5assignm... | 1  
Failed trigger runs metrics (Sum), week5assignment | 0

### Integration Runtime CPU



Integration runtime CPU utilization (Avg), week5as... | 9.2072%

## Integration Runtime Memory



Integration runtime available memory (Avg), week5a... | 1.71GB

## Monitoring

Results Messages

	EmployeeID	FirstName	LastName	Department	HireDate	LastUpdated
1	1	DEEP	KAUR	HR	2023-01-15	2025-06-28 16:19:43.077
2	2	ARYA	SHARMA	IT	2022-12-05	2025-06-28 16:19:43.077
3	3	RIYA	SINGH	Finance	2021-06-20	2025-06-28 16:19:43.077
4	4	ASHA	SAINI	Marketing	2020-11-11	2025-06-28 16:19:43.077
5	5	RAJ	SHREE	HR	2024-02-01	2025-06-28 21:02:38.593

## localDb2-azureSQLDatabase Output

Results Messages

	Job_Id	Experience	Qualifications	Salary_Range	Location	Country	Latitude	Longitude	Work_Type	Company_Size	Job_Posting_Date
1	1089843540111562	5 to 15 Years	M.Tech	\$59K-\$99K	Douglas	Isle of Man	54.2361	-4.5481	Intern	26801	2022-04-24
2	398454096642776	2 to 12 Years	BCA	\$56K-\$116K	Ashgabat	Turkmenistan	38.9697	59.5563	Intern	100340	2022-12-19
3	481640072963533	0 to 12 Years	PhD	\$61K-\$104K	Macao	Macao SAR, China	22.1987	113.5439	Temporary	84525	2022-09-14
4	588192671473044	4 to 11 Years	PhD	\$65K-\$91K	Porto-Novo	Benin	9.3077	2.3158	Full-Time	129896	2023-02-25
5	117057806156508	1 to 12 Years	MBA	\$64K-\$87K	Santiago	Chile	-35.6751	-71.5429	Intern	53944	2022-10-11
6	116831420231957	4 to 12 Years	MCA	\$59K-\$93K	Brussels	Belgium	50.5039	4.4699	Full-Time	23196	2023-07-25
7	170307416452175	3 to 10 Years	B.Tech	\$61K-\$91K	Tehran	Iran, Islamic Rep.	32.4279	53.688	Temporary	72496	2021-12-14
8	1292168246729889	3 to 15 Years	PhD	\$63K-\$103K	George Town	Cayman Islands	19.3133	-81.2546	Temporary	26119	2023-04-10
9	1498778686197107	2 to 8 Years	M.Com	\$65K-\$102K	São Tomé	Sao Tome and Principe	0.1864	6.6131	Contract	40558	2022-09-20
10	1680293940995740	2 to 9 Years	BBA	\$65K-\$102K	Male	Maldives	3.2028	73.2207	Temporary	105343	2022-02-19
11	1508703506620884	5 to 8 Years	M.Tech	\$61K-\$127K	Tallinn	Estonia	58.5953	25.0136	Contract	102979	2022-04-25
12	255627812588102	1 to 10 Years	BBA	\$60K-\$80K	Saint John's	Antigua and Barbuda	17.0608	-61.7964	Full-Time	102069	2022-05-13
13	2696958764033354	3 to 10 Years	BCA	\$57K-\$104K	Manama	Bahrain	26.0667	50.5577	Contract	130338	2023-07-01
14	1446194141960546	4 to 12 Years	B.Tech	\$64K-\$98K	The City of Hamilton	Bermuda	32.3078	-64.7505	Contract	117285	2021-10-11
15	1914121205954296	3 to 15 Years	MCA	\$65K-\$122K	Kingston	Jamaica	18.1096	-77.2975	Part-Time	79071	2022-01-17
16	290761760113904	1 to 8 Years	B.Com	\$56K-\$86K	Banjul	Gambia	13.4432	-15.3101	Temporary	127900	2022-05-24
17	1627539131873813	1 to 9 Years	MCA	\$57K-\$98K	Damascus	Syrian Arab Republic	34.8021	38.9968	Full-Time	92128	2022-03-01
18	2691974960988857	4 to 12 Years	M.Com	\$65K-\$100K	Sanaa	Yemen	15.5527	48.5164	Part-Time	92028	2023-08-25
19	2823887164112482	5 to 14 Years	M.Tech	\$60K-\$83K	San Marino	San Marino	43.9424	12.4578	Part-Time	49100	2022-04-19
20	76902090772934	0 to 11 Years	BA	\$55K-\$117K	Papeete	French Polynesia	-17.6797	-149.4068	Full-Time	29318	2022-05-18
21	235216486127884	3 to 12 Years	BA	\$55K-\$121K	Seoul	North Korea	40.3399	127.5101	Contract	126630	2021-12-29
22	407980927519454	5 to 9 Years	PhD	\$65K-\$128K	Kinshasa	Democratic Republic Of Congo	-4.0383	21.7587	Temporary	48199	2022-07-27
23	1278852594488804	5 to 14 Years	B.Com	\$60K-\$108K	Dublin	Ireland	53.1424	-7.6921	Part-Time	113757	2022-04-14
24	940776147258900	0 to 15 Years	B.Tech	\$62K-\$120K	Baku	Azerbaijan	40.1431	47.5769	Full-Time	64351	2022-02-13
25	1524311163188117	0 to 10 Years	BCA	\$64K-\$98K	Funafuti	Tuvalu	-7.1095	177.6493	Intern	118041	2023-09-03
26	2508133000944341	1 to 8 Years	M.Tech	\$58K-\$116K	Asmara	Eritrea	15.1794	39.7823	Intern	40723	2023-08-26

## ftpTransfer Output